Introduction

Thank you for purchasing this television set.
This handbook has been designed to help you install and operate your TV set.
We would strongly advise you read it thoroughly.
We hope our technology meets entirely with your satisfaction.

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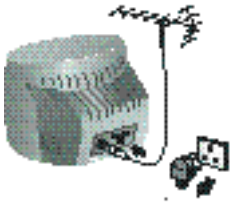
English

Installing the television set

❶ Positioning the television set

Place your TV on a solid, stable surface.
To avoid any dangerous situations and operating fault, do not place anything on the TV set and leave a space of at least 5cm around the appliance.

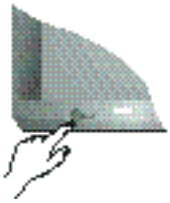


❷ Connections

- Insert the aerial plug into the ⊓⊢ socket at the rear of the set.
- Insert the mains plug into a wall socket (220-240 V / 50 Hz).

❸ Remote control

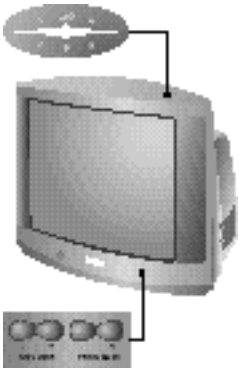
Insert the two R6-type batteries (supplied) making sure they are the right way round.
In an effort to help protect the environment, the batteries supplied with this television do not contain mercury or nickel cadmium. Please do not discard your used batteries if you have access to a recycling facility (if in doubt, consult your dealer).



❹ Switching on

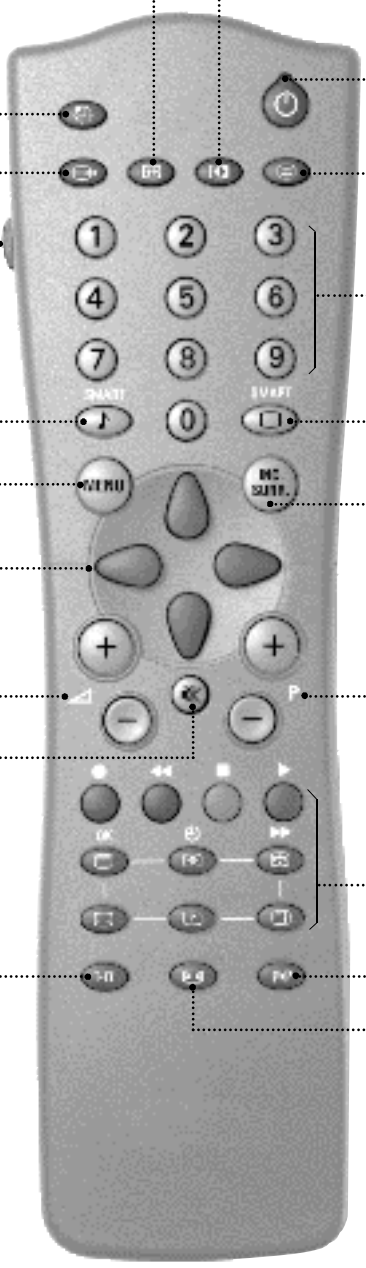
Press the on/off key to switch on the television.
A red indicator comes on and the screen lights up.
If the television remains in standby mode, press the P ⊕ on the remote control.
The indicator flashes when you use the remote control.

The keys on the TV set



The television set has 4 keys which are located on the front or the top of the set depending on the model.
The VOLUME - + (- ◿ +) keys are used to adjust sound levels.
The PROGRAM - + (- ◿ +) keys are used to select the required programmes.
To access the menus, simultaneously hold down the VOLUME - and VOLUME + keys. The PROGRAM - + keys may then be used to select an adjustment and the VOLUME - + keys to make that adjustment.
To exit from the menus, hold down the 2 VOLUME - and VOLUME + keys.
Note: when the LOCK function is activated, these keys are unavailable (refer to FEATURES menu on page 7).

The remote control keys



Screen information
To display / remove the programme number, the name (if it exists), the time, the sound mode and the time remaining on the timer. Hold down for 5 seconds to permanently display the programme number on the screen.

Sleeptimer
To select the length of time before the set automatically switches to standby (from 0 to 120 minutes).

Select EXT sockets
Press several times to select EXT1, S-VHS2, EXT2 and on certain models EXT3 and S-VHS3.

Video recorder (p. 8)

Smart sound controls
To access a series of settings: VOICE, MUSIC, THEATRE and return to PERSONAL.

Menu
To display or exit from the menus.

Cursor
These 4 keys are used to move within the menus.

Volume
To adjust the sound level

Mute
To disable or enable the sound.

Sound mode
To switch from STEREO to MONO or to choose between Dual I and Dual II for bilingual transmissions.
For TV sets fitted with NICAM reception, depending on the transmission, you can switch from NICAM STEREO to MONO or choose between NICAM DUAL I, NICAM DUAL II and MONO.
When the sound mode is switched to MONO, the indication is displayed in blue.

Picture adjustment
To activate / deactivate the picture adjustment controls.

Standby
To set the TV to standby mode. To switch the TV set on again, press P − + or 0 9.

NEXT VIEW :
refer to the separate booklet (only available on certain models).

Numerical keys
For direct access to programmes. For a 2 figure programme number, the 2nd figure must be entered before the dash disappears.

Smart picture controls
To access a series of settings: RICH, NATURAL, SOFT and return to PERSONAL.

Incredible Surround
To activate / deactivate the surround sound effect. In stereo, this gives the impression that the speakers are further apart. In mono, a stereo spatial effect is simulated.

Selecting TV programmes
To move up or down a programme. The number, (the name) and the sound mode are displayed for a few seconds.
For some programmes equipped with teletext, the title of the programme appears at the bottom of the screen.

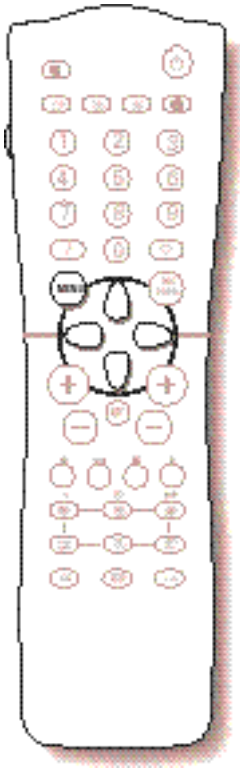
Teletext features (p. 9)

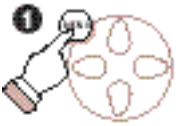
Previous programme
To access the previously viewed programme.

16:9 formats
To access the picture formats EXPAND 14/9* (the picture is enlarged) and COMPRESS 16:9 (the picture is compressed vertically).
** only available on certain models. For more information, refer to the Glossary on p.11.*

Tuning-in the TV channels

Selecting the language and the country





1 Press the MENU key. The main menu is displayed on the screen

2 Press ▽ 3 times to select INSTALL.

3 Press ▷. The INSTALL menu appears. The LANGUAGE option is activated.

4 Select your language using the ◁ ▷ keys. The menus appear in the language selected.

5 Press ▽ to select COUNTRY. Select your country using the ◁ ▷ keys (GB for Great Britain).

If you wish to exit the menus, press the MENU key twice (or once on the ⏻ key).

Automatic store

Carry out the above operations, then:

6 Select AUTO STORE.

7 Press ▷. The search begins.

The search operation takes a few minutes. When the search is complete, the INSTALL menu reappears automatically. If the transmitter or the cable network emits the automatic sort signal, the programmes are correctly numbered. If this is not the case, the programmes found are numbered in descending order from number 99, 98, 97, etc. Use the SORT menu to re-number the programmes.

Certains broadcasters or cable networks transmit their own sorting parameters (region, language, etc). Where this is the case, indicate your choice using the △▽ keys and confirm with ▷.

To exit or interrupt the search, press the MENU key. If no picture is found, refer to the chapter entitled Tips on p. 12.

Re-numbering programmes

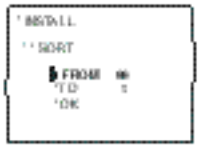
If the INSTALL menu is already displayed on the screen, go directly to step ❶.

To display the INSTALL menu

Press MENU. Select INSTALL. Press OK.

❶ Select SORT (▽) and press OK.
The SORT menu appears.

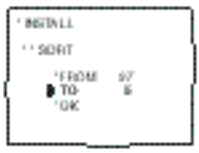
❷ Select FROM using the △ key.



❸ Display the programme you wish to re-number using keys ⓪ to ⑨ (or − P +).
If, for example, you want to re-number programme 97 as 5: type ⑨ ⑦.

❹ Press ▽ to select TO.

❺ Enter the new programme number using keys ⓪ to ⑨. In our example, type ⑤.



❻ Select OK (▽) and press OK. The message STORED appears and the exchange is made.
In our example, programme number 97 is re-numbered as 5 (and 5 as 97).

Repeat operations ❷ to ❻ for as many programmes as you wish to re-number.

To exit the menus:

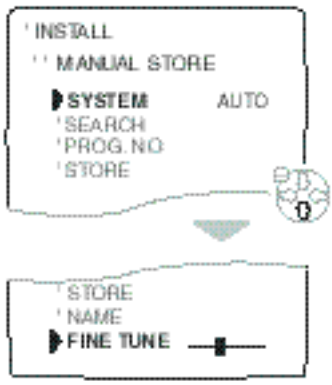
Press the EXIT key (or the MENU key to return to the previous level).

Manual store

This menu allows you to store each programme manually.
If the INSTALL menu is already displayed on the screen, go directly to step ❶.

To display the INSTALL menu

Press MENU. Select INSTALL. Press ⊂⊃.



❶ Select MANUAL STORE (∨) and press ⊂⊃.
The MANUAL STORE menu appears.

❷ Select SYSTEM (∧). Use ⊂ ⊃ to select AUTO (automatic reception*) or standard reception with, according to the model: W. EUR (standard BG), E.EUR (standard DK), UK (standard I) or FRANCE (standard LL').

** For transmissions from France (standard LL'), select the FRANCE option but not the AUTO option.*

❸ Select SEARCH and press ⊂⊃. The search begins.
As soon as a programme is found, the search will stop. If you know the frequency of the programme required, enter its number directly using the ⓪ ⑨ keys and go to chapter ❺.

If no programme is found, refer to the Tips chapter on page 12).

❹ If reception is un-satisfactory, select FINE TUNE and hold down key ⊂ or ⊃.

❺ Select PROG. NO (programme number) and use the ⊂ ⊃ or ⓪ to ⑨ keys to enter the desired number.

❼ Select STORE and press ⊂⊃. The message STORED appears. The programme is stored.

Repeat steps ❸ to ❻ for each programme to be stored.
To exit: press the ⏎ key.

Naming programmes

If you wish, you can name the first 30 programmes (0 to 29).

❶ Select the programme you wish to name.

❷ In the MANUAL STORE menu, select NAME and press ⊂⊃.
- Use the ⊂ ⊃ keys to move around in the area which displays the name (5 characters).
- Use the ∧ ∨ keys to select the characters.
- Press MENU once the name is entered.

❸ Select STORE (∧) and press ⊂⊃. The name is stored.

❹ Press MENU and repeat the operation for each programme you wish to name.

To exit: Press the ⏎ key.

Using other menus

To display a menu

Press MENU.

Select the PICTURE, SOUND or FEATURES.

Press ▷. The menu appears.

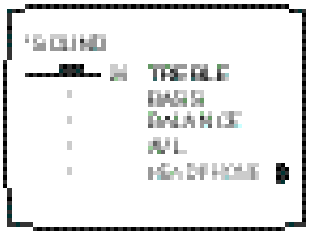
Use the ▽ △ keys to select an adjustment and ◁ ▷ to make that adjustment.
The MENU key is used to exit from the menu displayed.

Picture menu

You can adjust BRIGHTNESS, COLOUR, CONTRAST, SHARPNESS and COLOUR TEMP

- *SHARPNESS: modifies the clarity of the picture,*
- *COLOUR TEMP (colour temperature): adjusts the colour temperature of the picture. Three options are available here: COOL (blue white), NORMAL (balanced) or WARM (red white).*

Sound menu



You can adjust TREBLE, BASS, BALANCE, AVL and HEADPHONE.

- *AVL (automatic volume leveller): used for automatic level control in order to avoid sudden increases in volume (particularly when changing channels or during advertisements).*
- *HEADPHONES: this menu is used to access the separate headphone VOLUME control, the BALANCE and the SOUND MODE (you can choose between DUAL I and DUAL II for bilingual transmission).*

Storing adjustments automatically

Adjustments made in the PICTURE and SOUND menus and to volume are stored automatically.

Values are stored under PERSONAL in the picture and sound smart controls (◻ and ♪ keys).

Features menu

You can adjust:

- TIMER (see next page),
- LOCK: Set to ON to lock the television keys. Switch off the TV and hide the remote control. The TV cannot now be used (only the remote control will enable you to switch the TV on). To cancel: reset the LOCK to OFF.
- NR (Noise Reduction): Useful in case of poor reception to reduce picture noise (snowy picture).

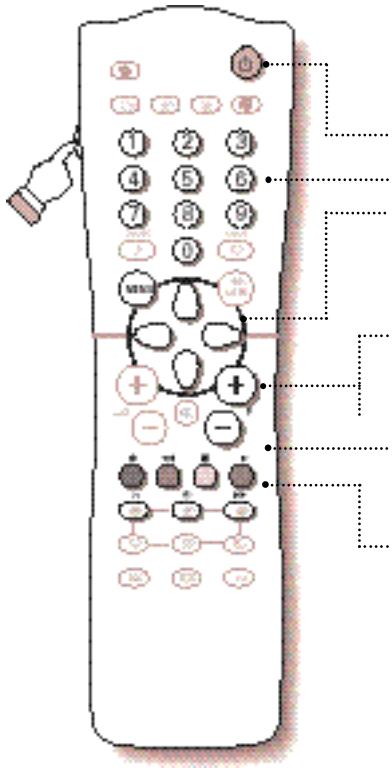
Timer menu

This menu allows you to use your TV as an alarm clock.
In the FEATURES menu:

1. Select TIMER (▽) and press ▷. The TIMER menu appears.
   Use the ▽ key to select the following settings:
2. TIME: enter the current time (⓪ ⑨ or ◁ ▷ keys).
   N.B.: Every time the TV is switched on, the clock is automatically updated on the basis of the teletext information in programme No. 1. If the TV set does not feature teletext, this update will not occur.
3. PROG. NO (programme number): enter the number of the programme.
4. START TIME: enter the time at which you wish the TV to switch on.
5. STOP TIME: enter the stop time (automatic stop).
6. ACTIVATE (this setting is hidden at the bottom of the screen).
   Use ◁ ▷ to activate the programming ONCE or DAIL for every dayY.
   The STOP position is used to cancel the timer.
7. Press ⏻ to set the TV to standby. It will automatically switch on at the time programmed. If you leave the TV switched on, it will only change programme at the time indicated.

The combination of the LOCK and TIMER functions may be used to limit the length of time your television is in use, for example, by your children. The ONCE position allows you to programme the start time or the stop time (but not the both)

Video recorder key



The VCR key, located on the side of the remote control is used for the main functions of the video recorder.

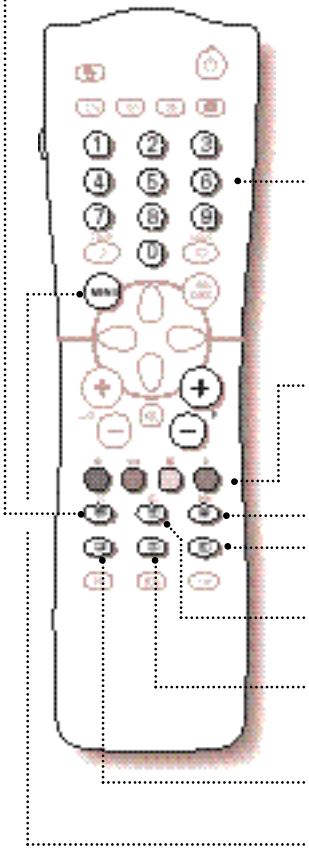
Hold down the VCR key to access the following functions:

- ⏻ standby,
- ⓪ / ⑨ enter a programme number,
- MENU display the VCR menu*
- ▽ ▽ selection*
- ◁ ▷ adjustment*
- ⊖ P ⊕ programme selection,
- ● record,
- ◀◀ rewind,
- ■ stop,
- ▶ play,
- ▶▶ fast forward,
- programming (on certain models),
- OK validation.

** Some programming functions are not available on all models (cursors, menu, OK key, etc.).*
The remote control is compatible with all the video recorders in our range as well as models which use the RC5 signalling standard.

Teletext

Teletext is an information system, broadcast by certain TV channels, which can be consulted much like a newspaper. It also provides sub-titles for people with hearing difficulties or those who are unfamiliar with the language in which a particular programme is being broadcast (cable networks, satellite channels, etc.).



Switch teletext on / off

To call up or exit from teletext. The main index page presents a list of items to which you have access. Each item has a corresponding 3 digit page number.

If the channel selected does not broadcast teletext, the message P100 is displayed and the screen stays black (in this case, exit from teletext and select another channel).

Selecting a teletext page

Use keys 0 to 9 or − P + to enter the page number required. E.g.: page 120, type 1 2 0. The number is displayed in the top left-hand corner of the screen, the page counter starts searching and then the page is displayed. Repeat the procedure to consult another page.

If > xxx < flashes briefly or the counter continues searching, this means that the selected page is not broadcast. If this is the case, choose another number.

Direct access to an item

Coloured zones are displayed at the bottom of the screen. The 4 coloured keys are used to access the items or their corresponding pages.

The coloured zones flash when the page or the subject is not yet available

Stop the sequence of sub-pages

Certain pages have sub-pages which follow on automatically. Press the key to disable and enable the sequence of sub-pages. The message appears in the top left-hand corner of the screen.

Index

To return to the main index page (generally page 100).

Enlarging a page

Press this key to display the upper part, the lower part and then to return to the normal page size.

Reveal

Use this key to reveal / conceal hidden information (solutions to games).

Overlaying text on the TV picture

To activate / deactivate the screen overlay.

Favourite pages

For teletext programmes 0 to 29, you can store 4 favourite pages which you can then access via the coloured keys ●.

With the television in teletext mode

1. Press the MENU key. The "L" symbol and a red rectangle is displayed at the bottom of the screen (the 1st time, the 4 rectangles are displayed in colour).
2. Enter the 1st page number required.
3. Press the green key ● and enter the 2nd page number.
4. Repeat the operation for the yellow and the blue keys.
5. To end programming, press the key for 3 seconds. The 4 rectangles are displayed in white, the pages are stored.
6. Press the MENU key to leave the favourite pages. The previous subjects reappear at the bottom of the screen.

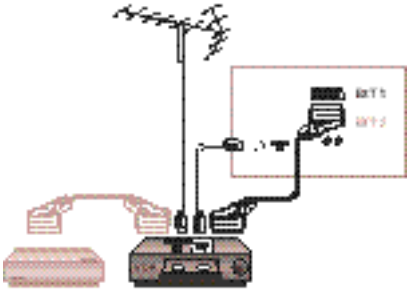
To use the stored pages when in teletext mode, press the MENU key and select one of the coloured keys.

Connecting peripheral equipment

The television has 2 external sockets situated at the back of the set (EXT1 and EXT2).

The EXT1 socket has audio and video inputs/outputs and RGB inputs.
The EXT2 socket has audio and video inputs/outputs and S-VHS inputs.

Video recorder

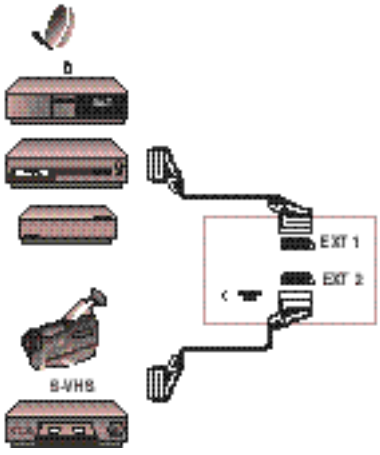


Video recorder (only)
Carry out the connections featured opposite. Use a good quality euroconnector cable.

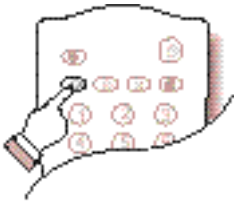
If your video recorder does not have a euroconnector socket, the only connection possible is via the aerial cable.You will therefore need to tune in your video recorder's test signal and assign it programme number 0 (refer to manual store, p. 5). To reproduce the video recorder picture, press (0).

Video recorder with decoder
Connect the decoder to the second euroconnector socket of the video recorder.You will then be able to record scrambled transmissions.

Other equipment



Satellite receiver, decoder, CDV, games, etc.
Carry out the connections featured opposite.
To optimise picture quality, connect the equipment which produces the RGB signals (digital decoder, games, certain CDV drives, etc.) to EXT1, and the equipment which produces the S-VHS signals (S-VHS and Hi-8 video recorders) to EXT2 and all other equipment to either EXT1 or EXT2.

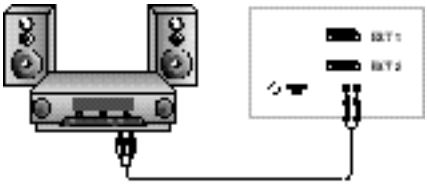


To select connected equipment

Press the ⇨ key to select EXT1, S-VHS2 (S-VHS signals from the EXT2 socket), EXT2 and S-VHS3 or EXT3 for connections on the front panel (according to the model),

Most equipment (decoder, video recorder) carries out the switching itself.

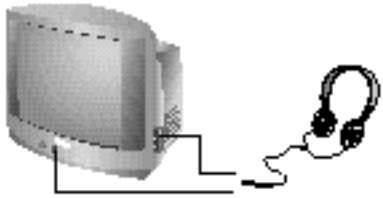
Amplifier



To connect to a hi-fi system, use an audio connection cable and connect the "L" and "R" outputs on the TV set to the "AUDIO IN" "L" and "R" input on your hi-fi amplifier.

N.B.: sound output corresponds either to the sound from the television tuner or to the sound from the equipment connected to EXT1 or EXT3, but never to the sound from the equipment connected to EXT2. If you have a VCR, connect it to EXT1 in order to benefit from the sound output.

Headphones

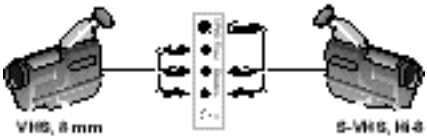


Depending on the model, the headphones socket is situated on the front panel or on the right-hand side of the TV set.

To adjust headphone volume, use the HEADPHONE setting in the SOUND menu (p. 7).

The headphone must have an impedance in the range 32 to 600 ohms.

Side connections



(only available on certain models)

Depending on the type of camcorder, carry out one of the following connections.

Using the ⇨ key, select EXT3 for a VHS or 8mm camcorder and S-VHS3 for an S-VHS or Hi-8 camcorder.

For a mono sound camcorder, connect the sound signal to the AUDIO L. input. Use the ⇨II key to reproduce the sound on the left and right loudspeakers of the television.

Glossary

RGB Signals: These are 3 Red, Green and Blue video signals which directly drive the red, green and blue emitters in the cathode ray tube. Using these signals provides better picture quality.

S-VHS Signals: These are 2 separate Y/C video signals from the S-VHS and Hi-8 recording standards. The luminance signals Y (black and white) and chrominance signals C (colour) are recorded separately on the tape. This provides better picture quality than with standard video (VHS and 8 mm) where the Y/C signals are combined to provide only one video signal.

NICAM sound: Process by which digital sound can be transmitted.

System: Television pictures are not broadcast in the same way in all countries. There are different standards: BG, DK, I, and L L'. The SYSTEM setting (p. 4) is used to select these different standards. This is not to be confused with PAL or SECAM colour coding. Pal is used in the majority of European countries, Secam in France, the CIS and the majority of African countries.
The United States and Japan use a different system called NTSC. The inputs EXT1 and EXT2 are used to read NTSC coded recordings.

16:9: Refers to the ration between the length and height of the screen. Wide screen televisions have a ration of 16/9, that of your TV set is 4/3. Warning: if you watch a 4/3 picture in COMPRES. 16:9 format, the picture will be compressed vertically. The EXTENS. 14:9 format, by enlarging the picture, reduces the size of the black bands at the top and bottom of the pictures in cinemascope format.

Tips

Poor reception

The proximity of mountains or high buildings may be responsible for ghost pictures, echoing or shadows. In this case, try manually adjusting your picture: see "fine tuning" (p.6) or modify the orientation of the outside aerial. Does your antenna enable you to receive broadcasts in this frequency range (UHF or VHF band)? In the event of difficult reception (snowy picture) switch the NOISE.REDUCT on the FEATURES menu to ON. (p. 7).

No picture

Have you connected the aerial socket properly? Have you chosen the right system? (p. 6) Is the contrast or the brightness baddly adjusted ? Press ⏻ and readjust the PICTURE menu. Poorly connected euroconnector cables or aerial sockets are often the cause of picture or sound problems (sometimes the connectors can become half disconnected if the TV set is moved or turned). Check all connections.

Picture adjustment

If the picture is not adjusted properly or if you have trouble obtaining a clear picture, select one of the smart control presets ⏻ (p. 3), go into the PICTURE menu and modify one of the settings. The setting is stored automatically. The picture is too blue or too red! Adjust the COLOUR TEMP (p. 7).

Peripheral equipment gives a black and white picture

You have not selected the right socket with the ⏻ key: S-VHS2(or S-VHS3) instead of EXT2 (or EXT3). To play a video cassette, check that it has been recorded under the same standard (PAL, SECAM, NTSC) which can be replayed by the video recorder.

No sound

If on certain channels you receive a picture but no sound, this means that you do not have the correct TV system. Modify the SYSTEM setting (p. 6).

Remote control

The TV set does not react to the remote control; the indicator on the set no longer flashes when you use the remote control? Replace the batteries.

Standby

When you switch the TV set on it remains in standby mode and the indication LOCKED is displayed when you use the keys on the TV set? The LOCK function is switched on (see p. 7).

If the set receives no signal for 15 mins, it automatically goes into standby mode.

The set consumes energy when it is switched on. To save electricity, we recommend that you switch the TV set off using the ON/OFF key.

Miscellaneous

The menus appear in a foreign language? Select the LANGUAGE option in the INSTALL menu (p. 4).

Still no results?

If your TV set breaks down, never attempt to repair it yourself: contact your dealer's after-sales service.

Recycling directive

Your TV set uses materials which are reusable or which can be recycled. To minimise the amount of waste in the environment, specialist companies recover used sets for dismantling and collection of reusable materials (consult your dealer).